

Sine Shock & Drainage Pad



TigerTurf's Sine is a shock absorbing underlay for artificial grass. It is an exceptional product used as both a shock pad and for drainage.

SINE provides a comfortable, cushioning surface making it easier on joints and muscles. It also improves the biomechanics of the field providing better foot traction, making it safer to play on.

The SINE shock pad helps reduce wear on the back of the tufts of the carpet that would otherwise be in contact with base material and assisting to spread the weight and impact of players across a wider area of the turf therefore increasing the wear and longevity of the turf itself.

// **Vertical and horizontal water drainage**

// **Shock absorption pad**

// **Greater dimensional stability**



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General Information

- // TigerTurf's SINE pad provides excellent shock absorption and ball rebound.
- // Sine is a unique type of shock pad specifically engineered for artificial turf, with excellent drainage properties due to its 3D open structure.
- // It is a closed cell PE foam manufactured using a chemical hinge foam process, physical cutting and physical punching.
- // The unique design offers excellent water drainage and avoids swelling or shrinking.
- // It is more dimensionally stable than other foam PE pads due to the highly permeable and dimensionally stable polyester scrim.
- // It is light weight and straightforward to install and the roll length can be tailored to the field size reducing waste and labour.
- // It doesn't absorb water; rather it pulls the water away from the turf.
- // All joins are easily and accurately taped to prevent lifting or parting.
- // The cooling airflow through the shock pad contributes to lowering the temperature of the field.
- // Good shock absorbency of the closed cell structure, means improved, lower energy restitution reducing fatigue.
- // TigerTurf SINE is an ideal product to enhance comfort and performance under all turf types and applications.

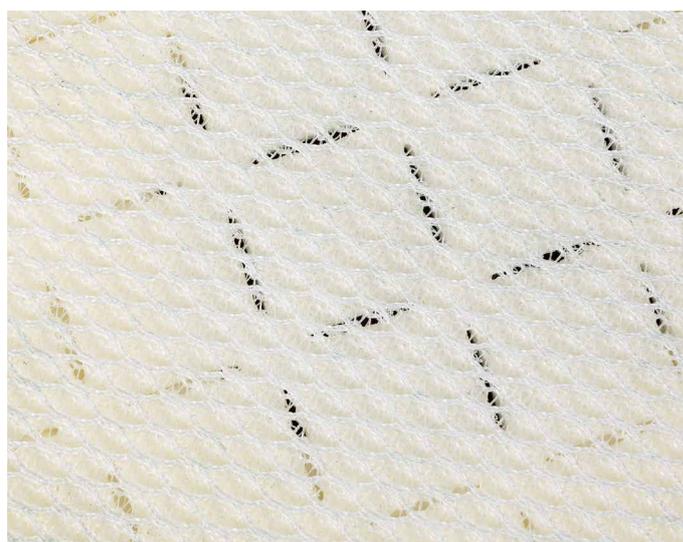
Technical Specification

	Properties	Specifications	Unit	Standard
FOAM	Density	70±10%	kg/m ³	ISO845
	Tensile strength:			
	Latitude direction	1.41	MPa	EN12230
	Longitude direction	4.55	MPa	EN12230
FUNCTIONAL	Item NO. RX-D12			
	Thickness	12	mm	
	Shock absorption	34.7	%	EN14808
	Vertical deformation	7.4	mm	EN14809
	Water infiltration rate	>72000	mm/h	EN12616

IN ROLLS: WIDTH 1.52M±10%, LENGTH <50M±10%

The closed-cell structure of the PE foam prevents absorption of water. The issue with high shrinkage rates associated with foamed PE pads is eliminated with the SINE pad due to the addition of a highly permeable, low shrinkage polyester scrim on one side that reduces expansion and contraction and provides significantly increased water movement both vertically and horizontally over conventional foamed PE pads.

This makes SINE pad an excellent choice over non-porous substrates allowing water to move horizontally out of the pad and grass above.



TigerTurf Americas
Tiger Express
1400 North Daly Street
Anaheim, CA 92806
USA

Freephone 800 464 0477
USinfo@tigerturf.com

TigerTurf Australia Pty Ltd
14 Latitude Boulevard
Thomastown, Victoria
Australia 3074

Tel +61 3 9464 5052
Freephone 1 800 802 570
AUinfo@tigerturf.com

TigerTurf Asia
TenCate Grass Asia
138 Robinson Road
#17-03, Oxley Tower Lobby 2
Singapore 068906

Tel +65 6282 7495
ASinfo@tigerturf.com

TigerTurf India
C/o Altius Sports & Leisure Pvt Ltd
A-117, DDA Sheds, Okhla Phase 2
New Delhi 110 020

Tel: +91 98362 77678 (SPORT)
INinfo@tigerturf.com

TigerTurf NZ Ltd
384 Neilson Street
Penrose, Auckland
New Zealand 1061

Tel +64 9 634 4134
Freephone 0800 804 134
NZinfo@tigerturf.com

TigerTurf UK Ltd
229 Ikon Droitwich Road
Hartlebury, DY10 4EU
United Kingdom

Tel +44 0 1299 253 966
UKinfo@tigerturf.com

tigerturf.com